

NOTES FROM DISCUSSION w/ BENJON & SALTARONE

CLASS 725 INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

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ASSIGNMENT

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1	BILLING IN VIDEO DISTRIBUTION SYSTEM	28	.Of specific program (e.g., based on program rating)
2	.Data stored locally (e.g., at set-top box)	29	.Time dependent (e.g., time spent viewing program, time of day, etc.)
3	..On nonelectronic medium (e.g., paper tape or meter)	30	.Access via PIN or password
4	.Data stored at intermediate point (i.e., at location between headend or server and receiver)	31	.With encryption or scrambling of video signal
5	.Payment method or scheme	32	PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR SUBSTITUTION
6	..Card reader (e.g., reader for credit, debit, or smart card)	33	.Emergency warning
7	..Coin operated	34	.Specific to individual user or household
8	.Having variable cost or free preview period	35	.Based on demographics or geographical area
9	USE SURVEYING OR MONITORING (E.G., PROGRAM OR CHANNEL WATCHED)	36	.Insertion of local commercial or local program at headend or network affiliate
10	.Monitoring physical reaction or presence of viewer	37	OPERATOR INTERFACE
11	..With entry of user identification	38	.To facilitate tuning or selection of video signal
12	..By passive determination and measurement (e.g., by detecting motion or ambient temperature, or by use of video camera)	39	..Electronic program guide
13	.Manual entry (e.g., using keypad or by written response)	40	...For displaying additional information
14	.By passively monitoring receiver operation	41	....Video still or clip
15	..By detecting local oscillator or IF signal	42	....Commercial or advertisement
16	..By polling	43	....With separate window, panel, or screen
17	..By monitoring sync or blanking pulse	44	...Content arrangement
18	..By use of audio signal	45	....Based on genre, theme, or category
19	..By use of pattern recognition or signature	46	....Based on personal preference, profile, or viewing-history (e.g., to produce redacted listing)
20	..By data encoded in video signal (e.g., VBI data)	47	...User customization of display content
21	..Combined with detecting VCR operation	48	..Combined from plural information providers (e.g., combined terrestrial and satellite sources)
22	COMMERCIAL OR PROGRAM AIRING VERIFICATION SYSTEM	49	...Combined at local receiver
23	SYSTEM FOR AWARDED COUPON, TOKEN, OR CREDIT	50	...Information updating
24	INTERACTIVE OPINION POLLING	51	...Having link to external information resource (e.g., online resource)
25	ACCESS CONTROL OR BLOCKING	52	...Navigational feature
26	.By mechanical lock	53	...Searching (e.g., by title or actor's name)
27	.Of specific channel	54	...Transmission scheme
		55	...Provided on recordable medium
		56	..Channel guide (i.e., channel-specific as opposed to program-specific guide)

57	..Tune-by-label (i.e., channel selection by alphanumeric character entry)	93	...Control process
58	..Program reserve or reminder system	94	....Buffering and switching
59	..Selecting from multiple inputs or sources	95	....Channel or bandwidth allocation
60	..Interactive product selection	96	.....In accordance with server or network congestion
61	..Interactive program selection	97	....Scheduling (e.g., grouping users together)
62	CELLULAR VIDEO DISTRIBUTION SYSTEM	98	..Transmission network
63	SATELLITE VIDEO DISTRIBUTION SYSTEM	99	...Using telephone network
64	..Two-way	100	..Receiver (e.g., set-top box)
65	..Return path	101	..Near video-on-demand system (i.e., providing plural, time-staggered versions of same program)
66	...Terrestrial return path	102	..VCR-like function
67	..Transmitter	103	..Server or headend
68	..Receiver	104	..Pay-per-view
69	..Polarization of signal	105	VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION
70	..For digital signal	106	..Telephony via television distribution network
71	..For providing signals to plural subsequent receivers	107	..Remote testing of cable system
72	..Antenna initialization, calibration, or aiming	108	..Alarm system using television network
73	TERRESTRIAL MICROWAVE VIDEO DISTRIBUTION SYSTEM	109	..Having link to external network (e.g., interconnected computer network)
74	LOCAL VIDEO DISTRIBUTION SYSTEM	110	..Connection to external network at receiver (e.g., set-top box)
75	..Vehicle	111	..Cable modem
76	..Airplane	112	..Link transmission (e.g., URL sent to user)
77	...Seat-back terminal	113	...Conveyed in video image
78	..Multiunit or multiroom structure (e.g., home, hospital, hotel, office building, school, etc.)	114	..Server or headend
79	..Using existing power network	115	..Data storage or retrieval
80	..Coordinating diverse devices	116	..Control process
81	..Using wireless link	117	..Communications interface
82	..Local server or headend	118	..Transmission network
83	..Having additional amenity (e.g., access to outside network, room service, etc.)	119	..Having significant intermediate network unit (e.g., hub, substation, etc.)
84	...Combined with call bell system for hospital use	120	...With two-way connection from unit to receiver (e.g., for the purpose of channel selection)
85	..Receiver	121	..Return path
86	USER-REQUESTED VIDEO PROGRAM SYSTEM	122	...Return path via telephone network
87	..Video-on-demand	123	...Wireless return path
88	..VCR-like function	124	...Noise in return path
89	...By use of memory at receiver	125	....Ingress noise
90	...With particular transmission scheme (e.g., transmitting I-frames only)		
91	..Server or headend		
92	...Mass storage		

- 126 ..Detail of use of two-way
 spectrum
- 127 ..Network component (e.g.,
 filter, tap, splitter,
 amplifier, repeater, etc.)
- 128 ...Duplex filter
- 129 ..Hybrid fiber-coax network
- 130 ..Power signal over network
- 131 ..Receiver (e.g., set-top box)
- 132 ..Programmable or upgradeable
- 133 ..With diverse device (e.g.,
 personal computer, game
 player, VCR, etc.)
- 134 ..Having particular storage
 feature
- 135 **VIDEO DISTRIBUTION SYSTEM WITH
 LOCAL INTERACTION**
- 136 ..Interactive data transmitted in
 video signal band (e.g., VBI
 or HBI data)
- 137 ..Teletext
- 138 ..Headend
- 139 ..Receiver (e.g., set-top box)
- 140 ..Programmable or upgradeable
- 141 ..With diverse device (e.g.,
 personal computer, game
 player, VCR, etc.)
- 142 ..Having particular storage
 feature
- 143 **VIDEO DISTRIBUTION SYSTEM
 COMPONENTS**
- 144 ..Headend
- 145 ..Data storage or retrieval
- 146 ..Control process
- 147 ..Communications interface
- 148 ..Transmission network
- 149 ..Network component (e.g.,
 filter, tap, splitter,
 amplifier, repeater, etc.)
- 150 ..Power signal over network
- 151 ..Receiver (e.g., set-top box)
- 152 ..Programmable or upgradeable
- 153 ..With diverse device (e.g.,
 personal computer, game
 player, VCR, etc.)